ALBERTO CAMPO BAEZA, ARCHITECT

OFFICES FOR JUNTA CASTILLA Y LEÓN, ZAMORA (SPAIN) 2012

HORTUS CONCLUSUS

In collaboration with Pablo Fernández Lorenzo, Pablo Redondo Díez, Alfonso González Gaisán and Francisco Blanco Velasco

To build with air, the abiding dream of every architect:

Facing the cathedral and following the outline of the former convent's kitchen garden, we erect a strong stone wall box open to the sky. Its walls and floors entirely made of stone. The very same stone as the Cathedral.A real *HortusConclusus*.In the corner facing the cathedral, a massive stone measuring 250x150x50, a veritable *Cornerstone.*And chiselled on that stone*:*

HIC LAPIS ANGULARIS MAIO MMXII POSITO

Within the stone box, a glass box, only glass. Like a greenhouse. With a double facade similar to a *Trombe wall*. The external skin of the facade is made of glass, each single sheet measuring 600x300x12 and all joined together simply with structural silicone and hardly anything else. As if entirely made of air.

The trihedral upper angles of the box are made completely with glass, thus even further accentuating the effect of transparency. Precisely what Mies was looking for in his Friedrichstrassetower. The trihedron built with air, a true *Glass Corner*. And engraved in acid on the glass:

HOC VITRUM ANGULARIS MAIO MMXII POSITO

The stone box made from Memory. With its *Cornerstone* deeplyrooted in the soil.

The glass box made for the Future. With its *Glass Corner* blending into the sky.

To build with air, the abiding dream of every architect.

En colaboración con Pablo Fernández Lorenzo, Pablo Redondo Díez, Alfonso González Gaisán y Francisco Blanco Velasco

Frente a la Catedral, siguiendo las trazas del huerto del antiguo convento, levantamos una fuerte caja de muros de piedra abierta al cielo. Todos los muros y el suelo en piedra. Con la misma piedra que la Catedral. Un verdadero HortusConclusus. En la esquina que mira a la Catedral, una piedra mayor, de 250x150x50, una verdadera Piedra Angular. Y cincelado en ella:

HIC LAPIS ANGULARIS MAIO MMXII POSITO

Dentro de la caja de piedra, una caja de vidrio, toda en vidrio. Como si fuera un invernadero. Con una fachada doble tipo Mure Trombe. La piel exterior de esa fachada se hace con vidrios de una sola pieza de 600x300. Unidos todos con sólo silicona estructural, sin casi nada más. Como si estuviera todo hecho de aire.

En los ángulos superiores de esta caja, aparecen los triedros completos de vidrio que hacen más visible si cabe la buscada transparencia. Lo que Mies buscaba en su torre de la Friedrichstrasse. El triedro construido con aire, un verdadero Vidrio Angular. Y grabado al ácido en el vidrio:

HOC VITRUM ANGULARIS MAIO MMXII POSITO

La caja de piedra hecha con la MEMORIA. Con la Piedra Angular enraizada en la tierra.

La caja de vidrio hecha con el FUTURO. Con el Vidrio Angular fundido con el cielo.

El viejo sueño del arquitecto.

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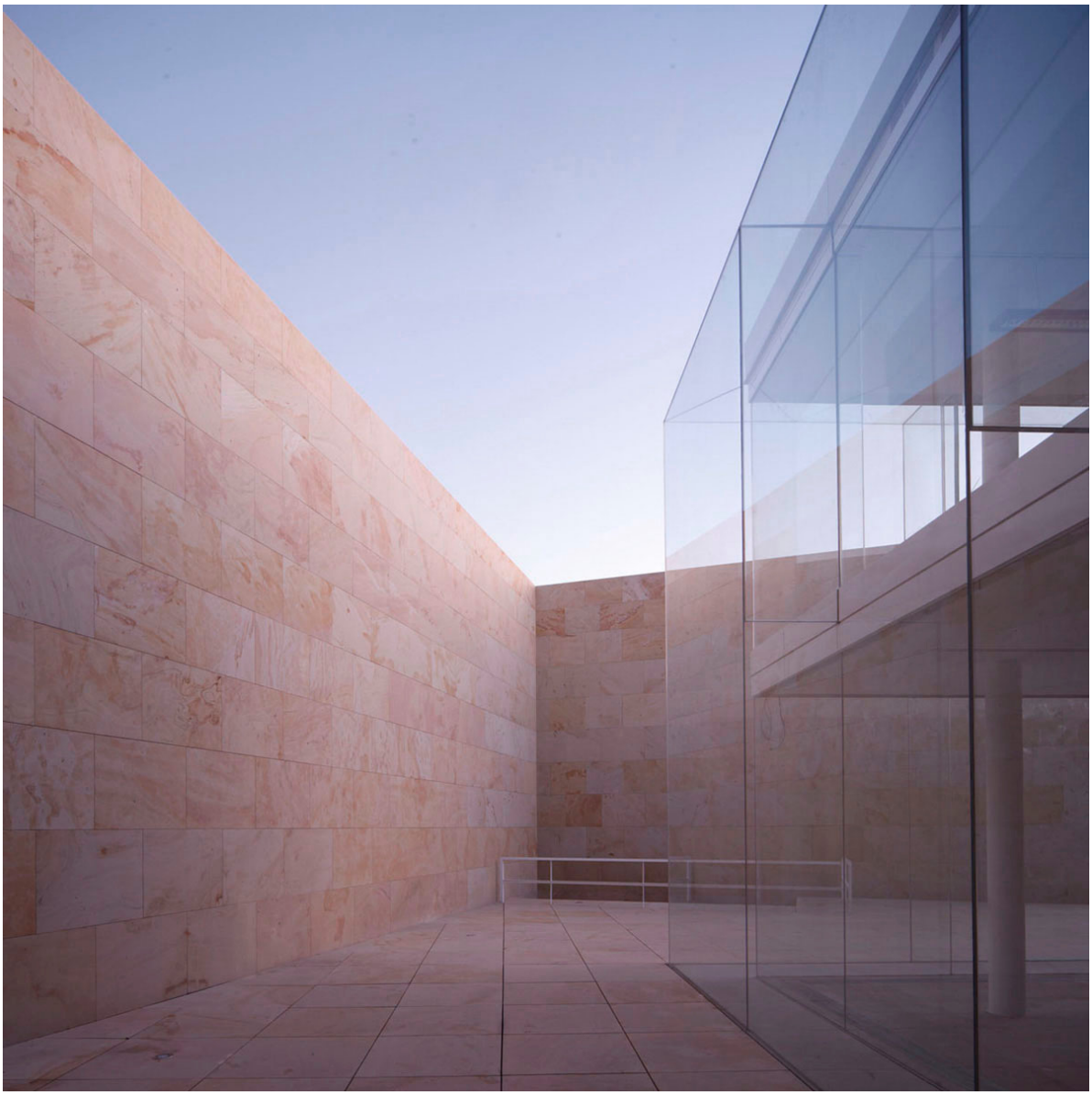

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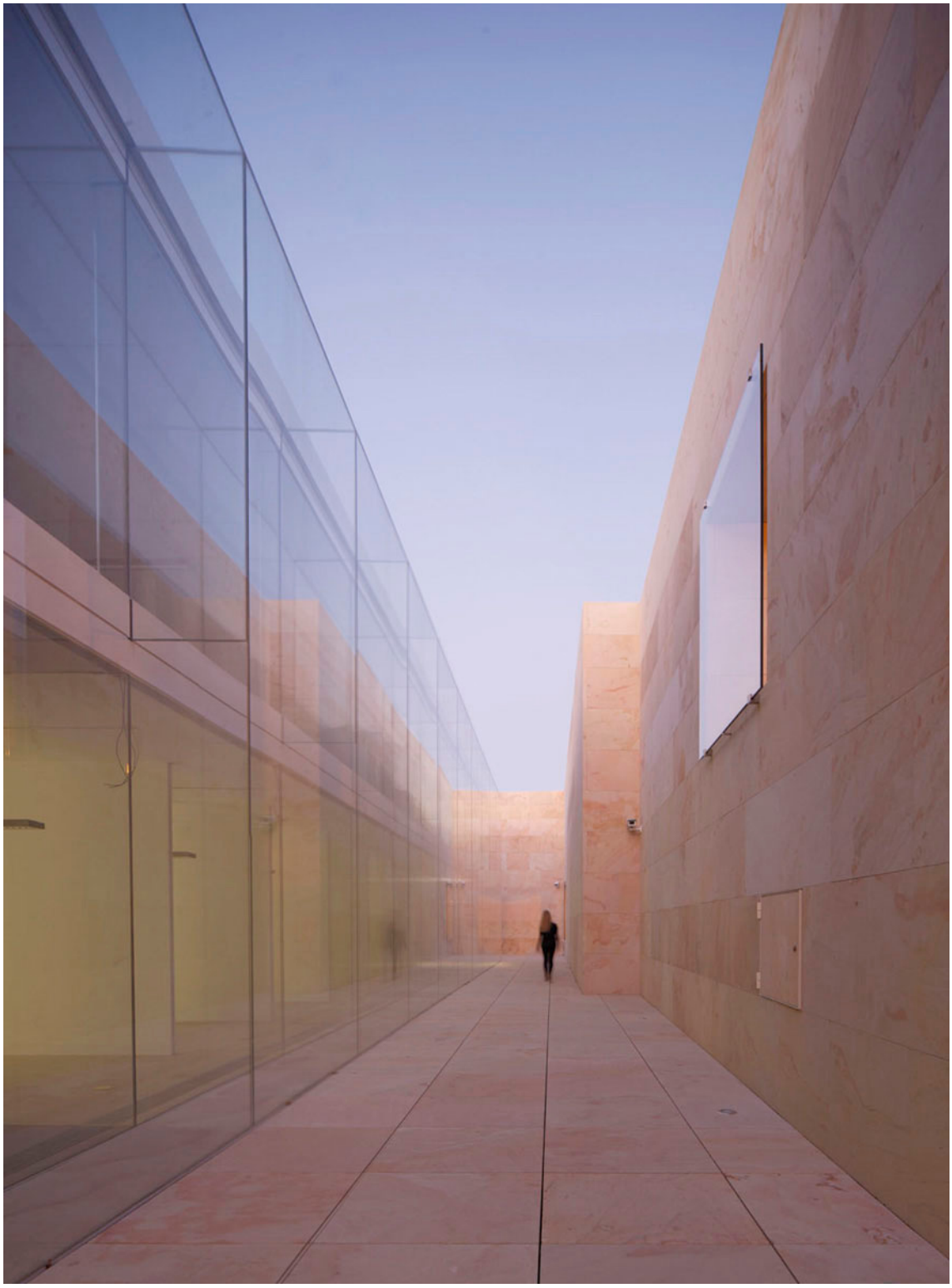

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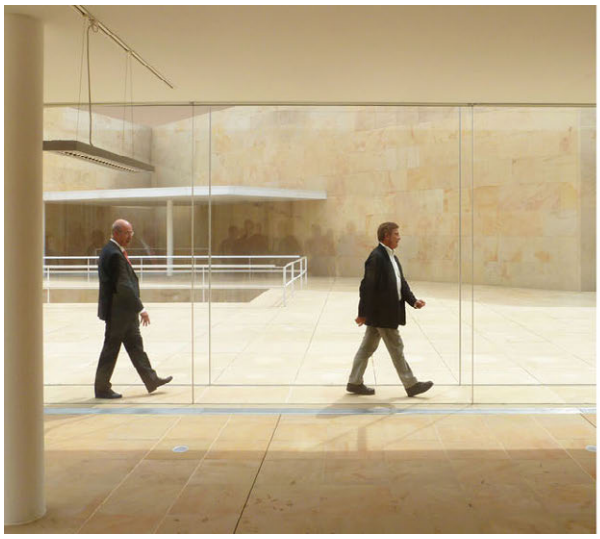

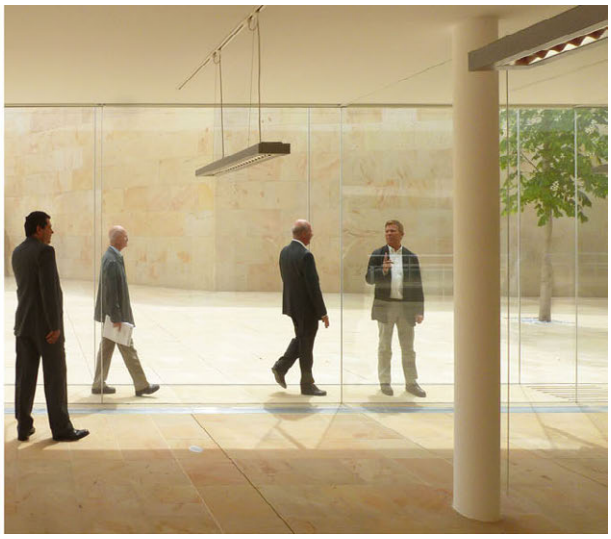

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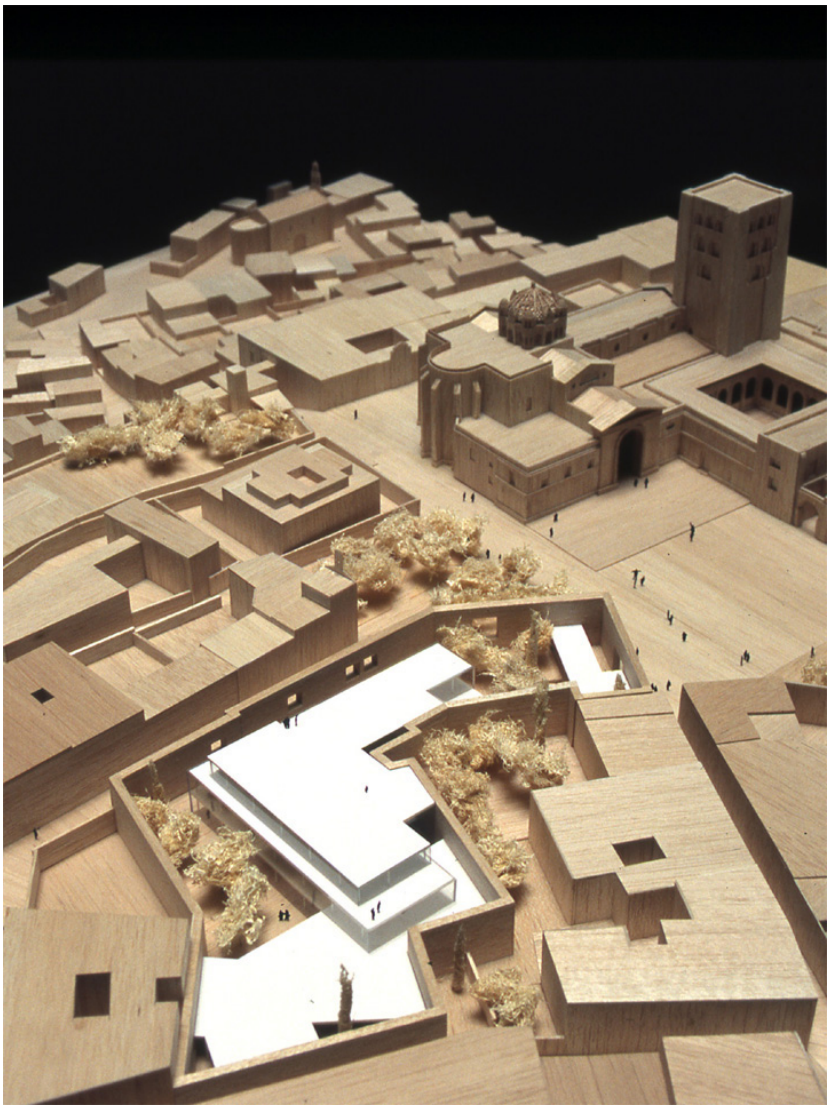

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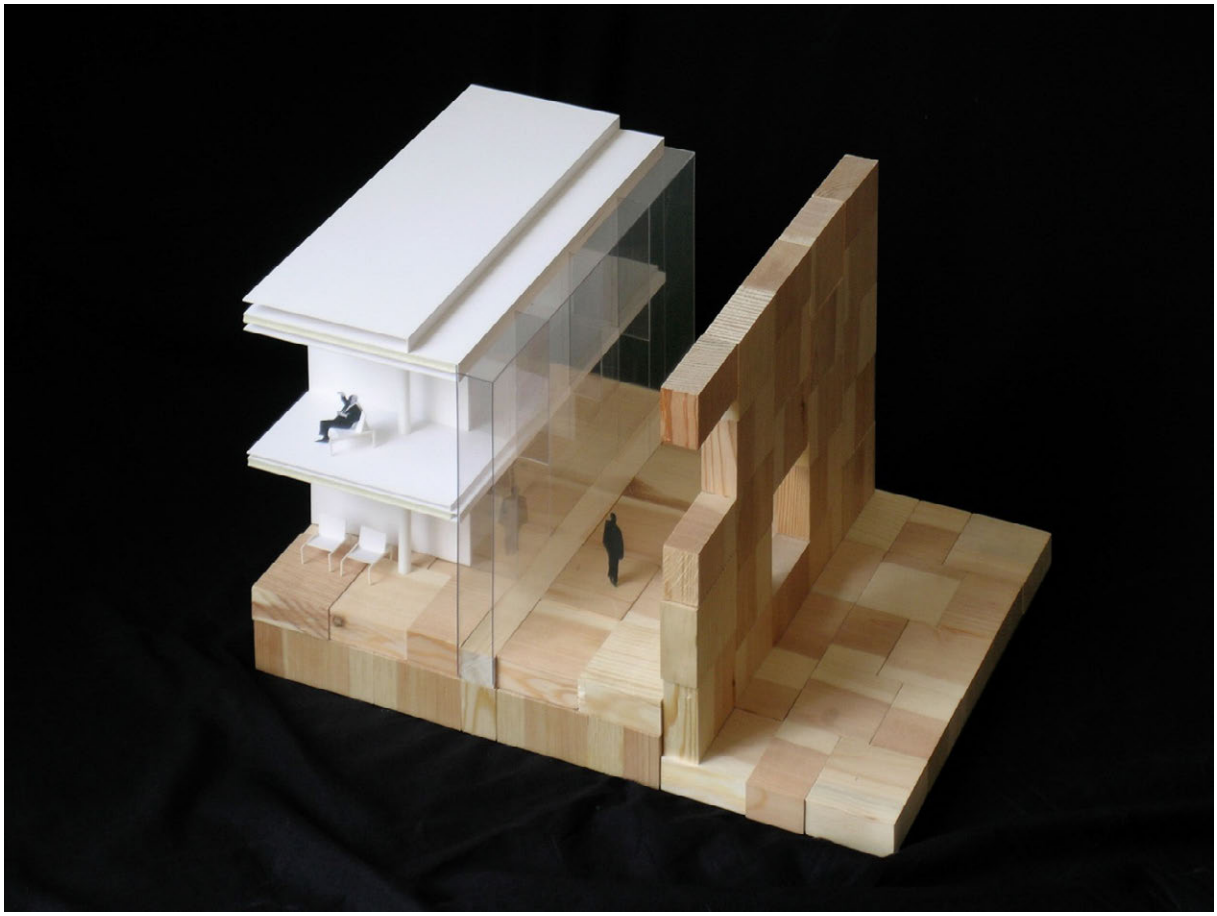

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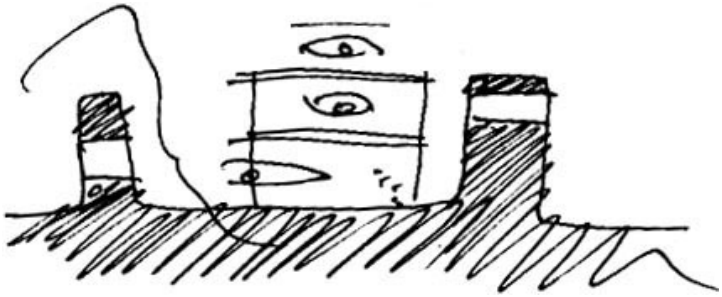

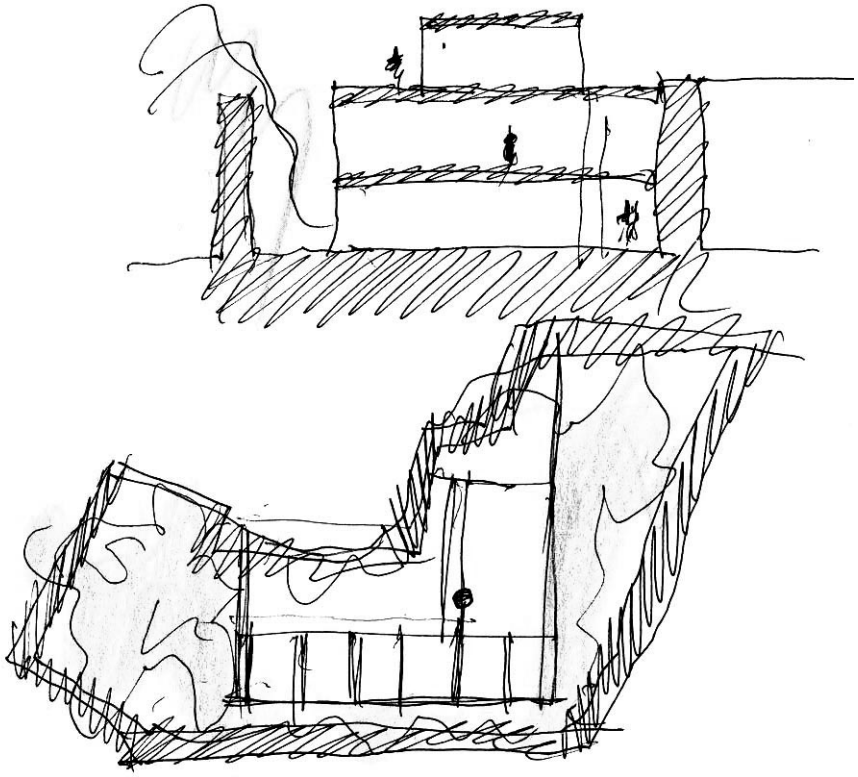

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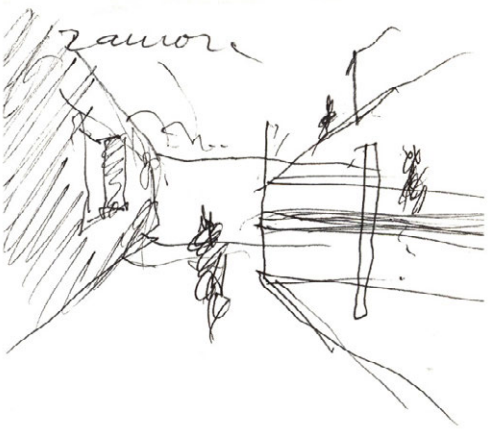

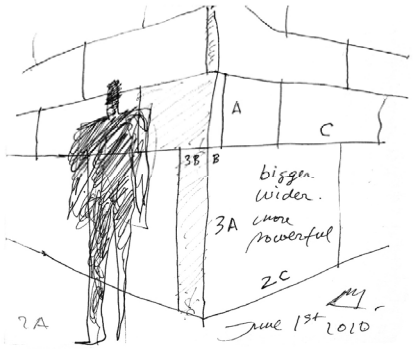

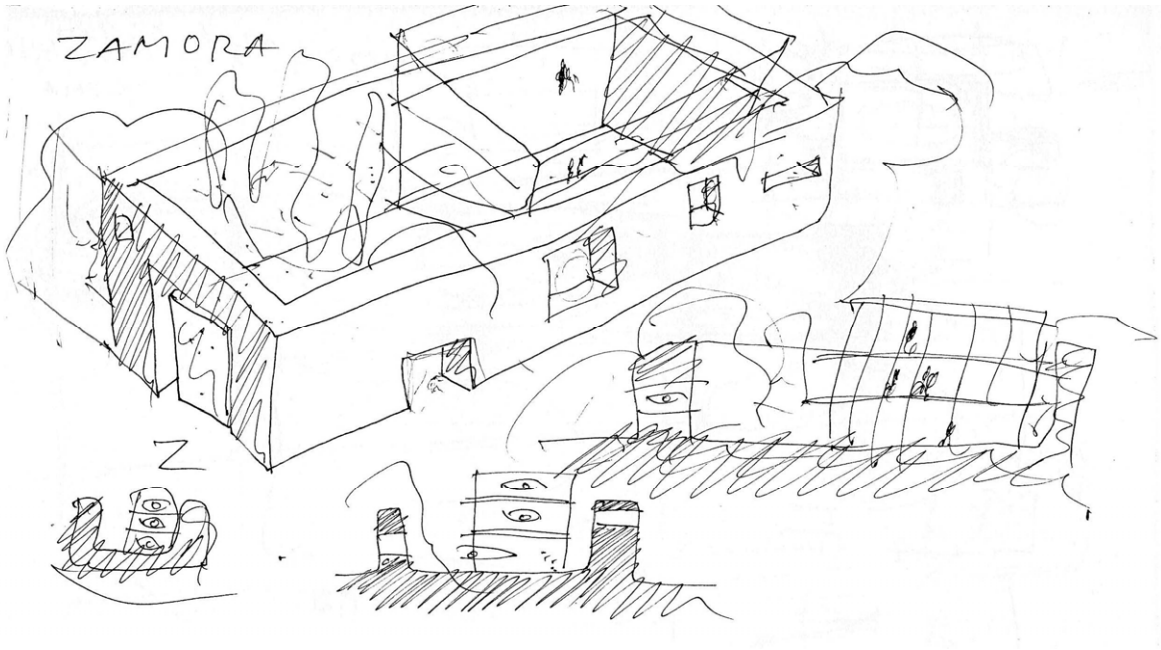

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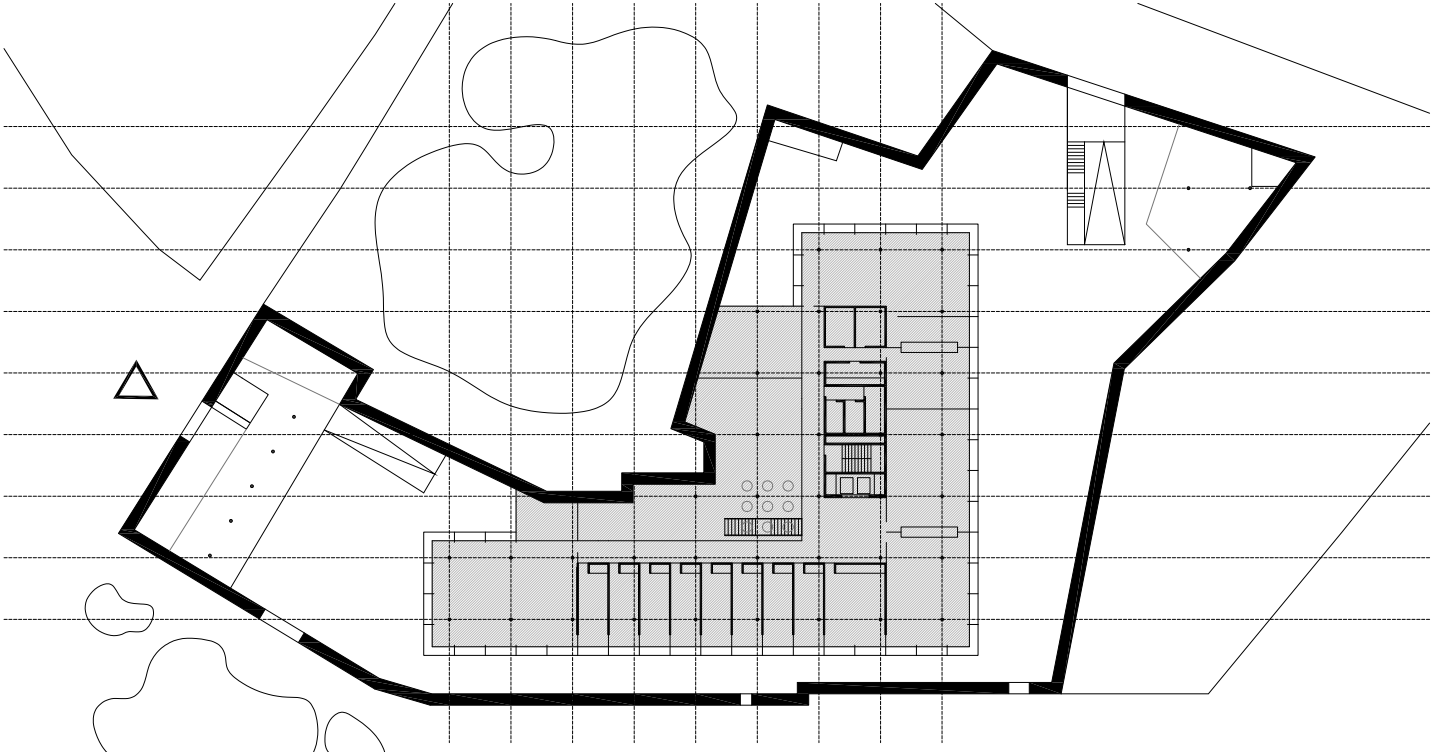
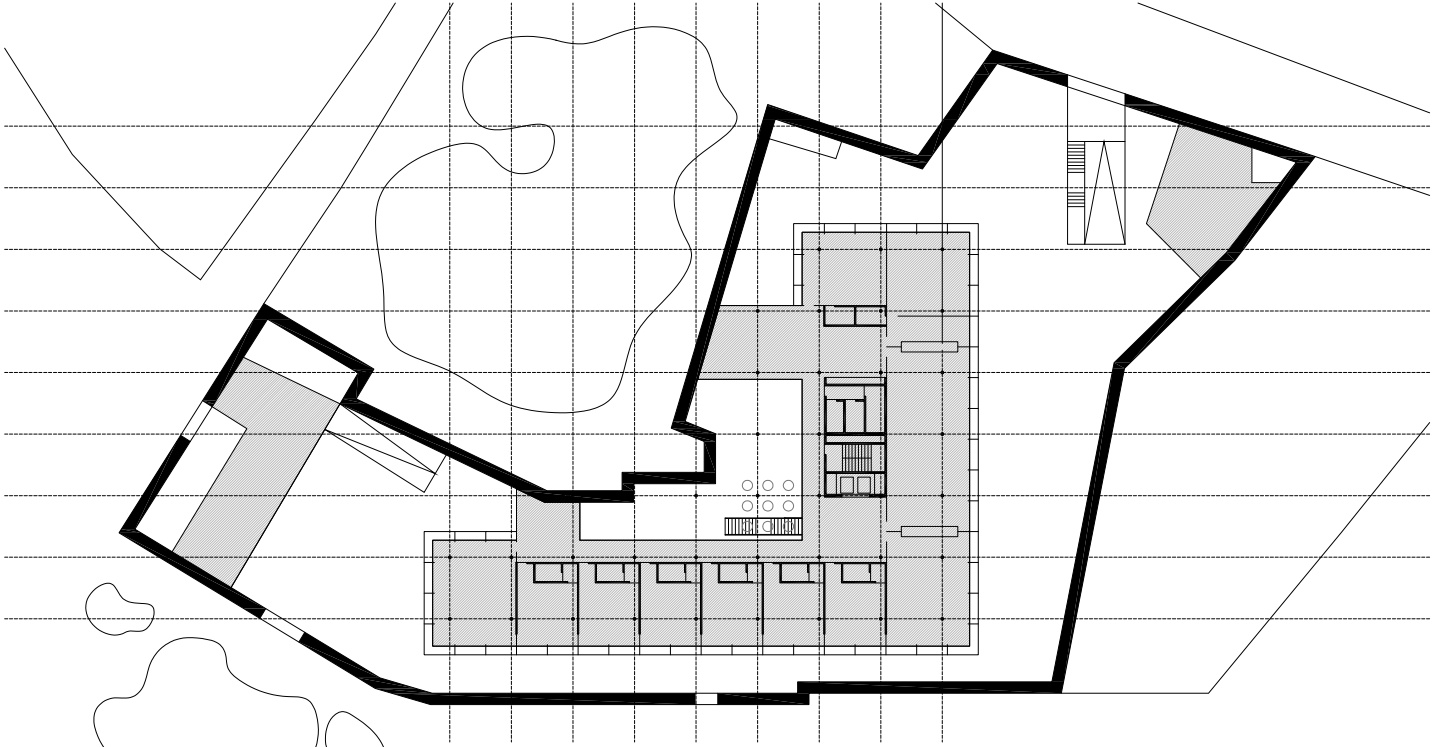
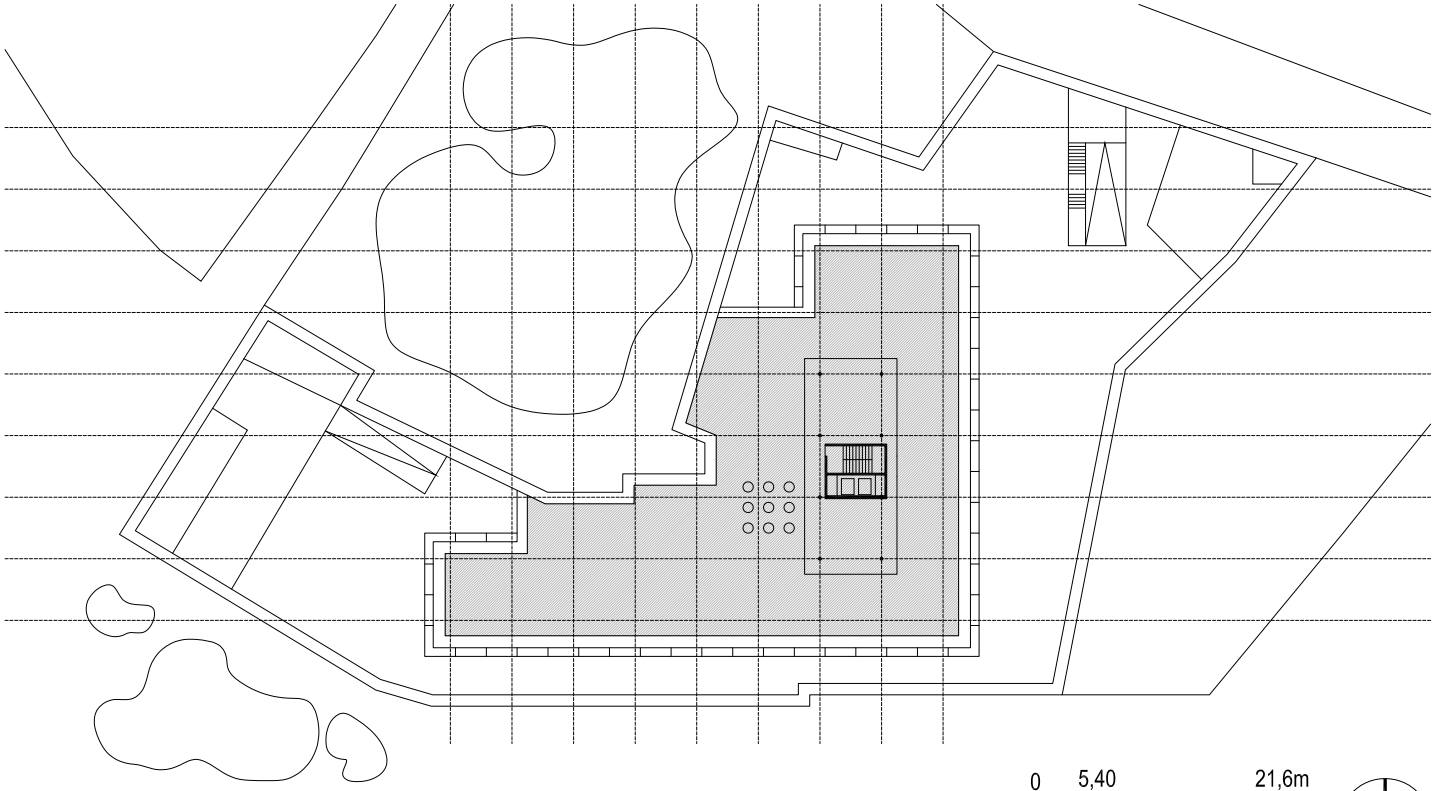


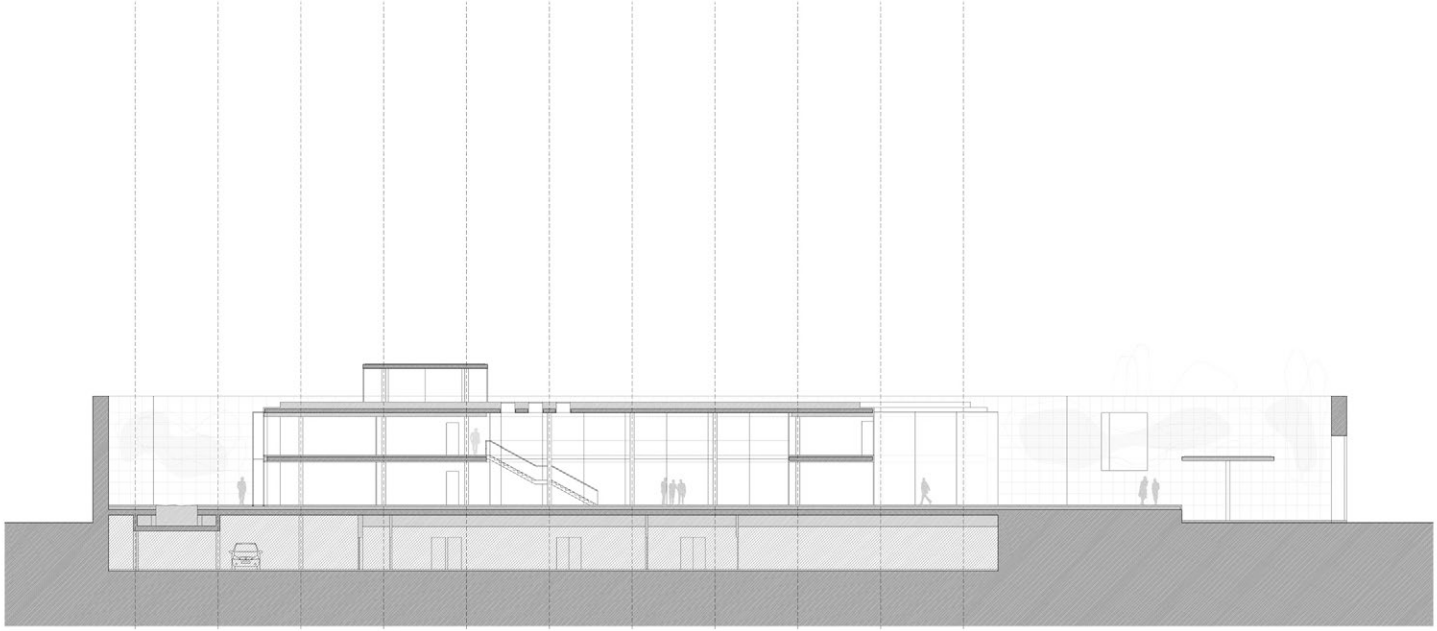
PLANTA BAJA (±0,00)



PLANTA PRIMERA (+3,25)

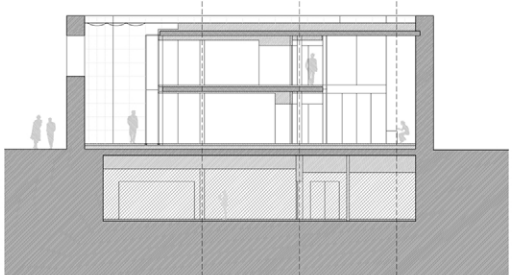


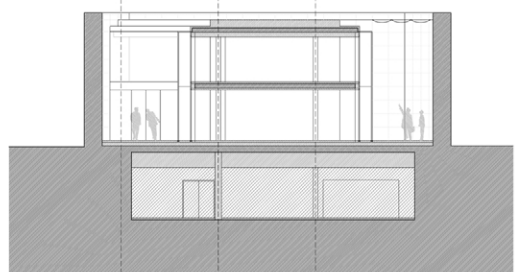
PLANTA MIRADOR (+6,70)



0 5,40 21,6m

SECCIÓN LONGITUDINAL





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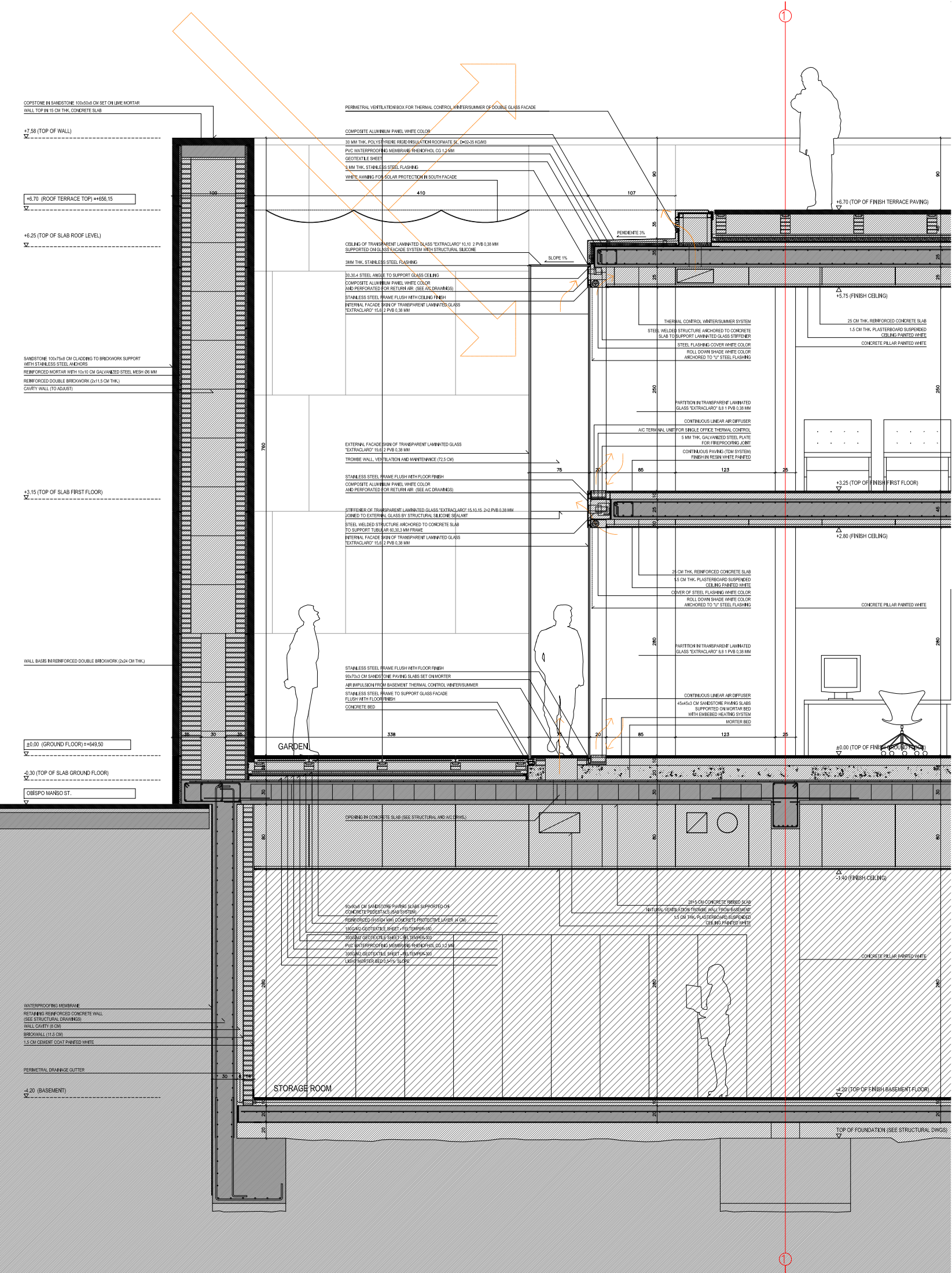
SECCIONES TRANSVERSALES


COPSTONE IN SANDSTONE 100x50x8 CM SET ON LIME MORTAR
WALL TOP IN 15 CM THK. CONCRETE SLAB
+7.58 (TOP OF WALL)
+6.70 (ROOF TERRACE TOP) =+656,15
+6.25 (TOP OF SLAB ROOF LEVEL)
SANDSTONE 100x75x8 CM CLADDING TO BRICKWORK SUPPORT WITH STAINLESS STEEL ANCHORS
REINFORCED MORTAR WITH 10x10 CM GALVANIZED STEEL MESH Ø6 MM
REINFORCED DOUBLE BRICKWORK (2x11,5 CM THK.)
CAVITY WALL (TO ADJUST)
+3.15 (TOP OF SLAB FIRST FLOOR)
WALL BASIS IN REINFORCED DOUBLE BRICKWORK (2x24 CM THK.)
±0,00 (GROUND FLOOR) =+649,50
-0,30 (TOP OF SLAB GROUND FLOOR)
OBISPO MANSO ST.
WATERPROOFING MEMBRANE
RETAINING REINFORCED CONCRETE WALL (SEE STRUCTURAL DRAWINGS)
WALL CAVITY (8 CM)
BRICKWALL (11,5 CM)
1,5 CM CEMENT COAT PAINTED WHITE
PERIMETRAL DRAINAGE GUTTER
-4,20 (BASEMENT)
PERIMETRAL VENTILATION BOX FOR THERMAL CONTROL WINTER/SUMMER OF DOUBLE GLASS FACADE
COMPOSITE ALUMINIUM PANEL WHITE COLOR
30 MM THK. POLYSTYRENE RIGID INSULATION ROOFMATE SL D=32-35 KG/M3
PVC WATERPROOFING MEMBRANE RHENOFHOL CG 1,2 MM
GEOTEXTILE SHEET
3 MM THK. STAINLESS STEEL FLASHING
WHITE AWNING FOR SOLAR PROTECTION IN SOUTH FACADE
CEILING OF TRANSPARENT LAMINATED GLASS "EXTRACLARO" 10,10 2 PVB 0,38 MM SUPPORTED ON GLASS FACADE SYSTEM WITH STRUCTURAL SILICONE
3MM THK. STAINLESS STEEL FLASHING
80,30,4 STEEL ANGLE TO SUPPORT GLASS CEILING
COMPOSITE ALUMINIUM PANEL WHITE COLOR AND PERFORATED FOR RETURN AIR (SEE A/C DRAWINGS)
STAINLESS STEEL FRAME FLUSH WITH CEILING FINISH
INTERNAL FACADE SKIN OF TRANSPARENT LAMINATED GLASS "EXTRACLARO" 15,6 2 PVB 0,38 MM
EXTERNAL FACADE SKIN OF TRANSPARENT LAMINATED GLASS "EXTRACLARO" 19,6 2 PVB 0,38 MM
TROMBE WALL, VENTILATION AND MAINTENANCE (72,5 CM)
STAINLESS STEEL FRAME FLUSH WITH FLOOR FINISH
COMPOSITE ALUMINIUM PANEL WHITE COLOR AND PERFORATED FOR RETURN AIR (SEE A/C DRAWINGS)
STIFFENER OF TRANSPARENT LAMINATED GLASS "EXTRACLARO" 15,10,15. 2+2 PVB 0,38 MM JOINED TO EXTERNAL GLASS BY STRUCTURAL SILICONE SEALANT
STEEL WELDED STRUCTURE ANCHORED TO CONCRETE SLAB TO SUPPORT TUBULAR 60,30,3 MM FRAME
INTERNAL FACADE SKIN OF TRANSPARENT LAMINATED GLASS "EXTRACLARO" 15,6 2 PVB 0,38 MM
STAINLESS STEEL FRAME FLUSH WITH FLOOR FINISH
90x70x3 CM SANDSTONE PAVING SLABS SET ON MORTER
AIR IMPULSION FROM BASEMENT THERMAL CONTROL WINTER/SUMMER
STAINLESS STEEL FRAME TO SUPPORT GLASS FACADE FLUSH WITH FLOOR FINISH
CONCRETE BED
OPENINGS IN CONCRETE SLAB (SEE STRUCTURAL AND A/C DRWGS.)
90x90x8 CM SANDSTONE PAVING SLABS SUPPORTED ON CONCRETE PEDESTALS (GAA SYSTEM)
REINFORCED (Ø15@4 MM) CONCRETE PROTECTIVE LAYER (4 CM)
180G/M2 GEOTEXTILE SHEET - FELTEMPER-180
300G/M2 GEOTEXTILE SHEET - FELTEMPER-300
PVC WATERPROOFING MEMBRANE RHENOFHOL CG 1,2 MM
300G/M2 GEOTEXTILE SHEET - FELTEMPER-300
LIGHT MORTER BED 0,5-1% SLOPE
GARDEN
STORAGE ROOM
PENDIENTE 3%
SLOPE 1%
+6.70 (TOP OF FINISH TERRACE PAVING)
+5.75 (FINISH CEILING)
THERMAL CONTROL WINTER/SUMMER SYSTEM
STEEL WELDED STRUCTURE ANCHORED TO CONCRETE SLAB TO SUPPORT LAMINATED GLASS STIFFENER
STEEL FLASHING COVER WHITE COLOR
ROLL DOWN SHADE WHITE COLOR ANCHORED TO "U" STEEL FLASHING
25 CM THK. REINFORCED CONCRETE SLAB
1,5 CM THK. PLASTERBOARD SUSPENDED CEILING PAINTED WHITE
CONCRETE PILLAR PAINTED WHITE
PARTITION IN TRANSPARENT LAMINATED GLASS "EXTRACLARO" 8,8 1 PVB 0,38 MM
CONTINUOUS LINEAR AIR DIFFUSER
A/C TERMINAL UNIT FOR SINGLE OFFICE THERMAL CONTROL
5 MM THK. GALVANIZED STEEL PLATE FOR FIREPROOFING JOINT
CONTINUOUS PAVING (TDM SYSTEM) FINISH IN RESIN WHITE PAINTED
+3,25 (TOP OF FINISH FIRST FLOOR)
+2.80 (FINISH CEILING)
25 CM THK. REINFORCED CONCRETE SLAB
1,5 CM THK. PLASTERBOARD SUSPENDED CEILING PAINTED WHITE
COVER OF STEEL FLASHING WHITE COLOR
ROLL DOWN SHADE WHITE COLOR ANCHORED TO "U" STEEL FLASHING
CONCRETE PILLAR PAINTED WHITE
PARTITION IN TRANSPARENT LAMINATED GLASS "EXTRACLARO" 8,8 1 PVB 0,38 MM
CONTINUOUS LINEAR AIR DIFFUSER
45x45x3 CM SANDSTONE PAVING SLABS SUPPORTED ON MORTAR BED WITH EMBEDED HEATING SYSTEM
MORTER BED
±0.00 (TOP OF FINISH GROUND FLOOR)
-1.40 (FINISH CEILING)
28+5 CM CONCRETE RIBBED SLAB
NATURAL VENTILATION TROMBE WALL FROM BASEMENT
1,5 CM THK. PLASTERBOARD SUSPENDED CEILING PAINTED WHITE
CONCRETE PILLAR PAINTED WHITE
-4.20 (TOP OF FINISH BASEMENT FLOOR)
TOP OF FOUNDATION (SEE STRUCTURAL DWGS)